

# The Tech



NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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5 CENTS

## Ella Interviewed . . .



Pre-concert interview of Ella Fitzgerald, appearing on page two of this issue, here shows, from left to right, Phil Beach '59, unidentified Harvard disc-jockey, Ella, unidentified Harvard technician, Myer Kutz '59, and Kent Kresa '59.

## Debate Team Expects 35 Schools at Invitational Meet

The MIT Debaters will be kept busy between terms with the fourteenth annual MIT Invitational Tournament. Thirty-five schools, mainly from the New England and Middle Atlantic states, are expected to send teams to debate on February 13 and 14.

Redefending champ Fordham has won the last two Tournaments and thereby has the power to retire the trophy by recapturing the award for the third consecutive year. Topic of the debates will be, Resolved: that further development of nuclear weapons be prohibited by international agreement. This subject is the debate topic for the current year and is used at all major interschool debates.

The entire Tournament will be open to the public. Rather than conduct the Debate on an elimination basis, the teams will be matched as closely as possible after each team has completed its first two rounds. Each school will debate a total of six rounds. The MIT style of debating will be used. This method consists of the usual "constructive" speeches followed by a choice given to each team for either a rebuttal or cross questioning.

The MIT Invitational Debate is the best annual meet held in the New England area. Following this debate, the varsity team is scheduled to debate at Harvard, Dartmouth, Boston, Notre Dame, and Georgetown.

## Long Range Plans Provide Information on Building Space

The Long Range Planning Committee, chaired by Mr. Malcolm Rivkin, recently gave approval for the development study of the MIT campus. A mock model of the Institute will be completed about next summer. The model will be built on a 1-inch to 1-foot scale.

The study is planned to give data on how much building space can be developed in East and West Campus and yet remain beneficial to the Institute. Most old buildings on campus will not be affected by the proposals. New land acquisitions will be studied in the plan. Plans for use of Westgate now only include athletic fields when the demolition of the married students' houses is completed in the coming summer. A Parking Committee has been formed to study parking problems and possible solutions. The Committee, chaired by Professor Rolf Elias, is composed of both student and faculty members. It is scheduled to submit a report to the President.

## Hurst Elected by Fraternities to New Post of IFC Purchasing Manager

Jerry Hurst '60, was elected chairman of the Inter-Fraternity Conference's newly formed purchasing committee at last Thursday night's IFC meeting. Plans for starting a cooperative buying program for MIT fraternities are in the final stages as a trial program is scheduled to start at the beginning of next term.

This cooperative buying program is a result primarily of work done on the subject in thesis research last year by Bob Jordan '58, former IFC president. In it he studied the financial problems confronting the MIT fraternities, particularly in matters of purchasing food by the various house steward's departments. In his recommendations he suggested the establishment of a purchasing committee of the IFC to consolidate the buying and bargaining power of the houses.

The first term of this year has been devoted to efforts on the part of the steering committee, headed by Bud Long '59, IFC vice-president, toward preparing the houses to take full advantage of the program. In order for a fraternity to participate in the program, it must first establish control within the house. This includes the keeping of systematic, accurate records of all purchases. Also necessary is the direction of purchasing by only one person within the house. Of the eleven houses thus far interviewed by the steering committee, several have met these requirements. IFC is not ready at present to release the names of those houses which have qualified to take part in the program.

The purchasing committee is now in the process of procuring an office in the Institute to serve as a base for its operations. From this they will contact and put together information on various wholesalers and distributors in the city. Their job will be the securing of bids from these firms. The individual houses will take care of the ordering of these commodities. The largest savings is expected to come from cutting down delivery costs by having the dealers deliver to several fraternities in one trip rather than having to make different delivery runs to each individual house.

The purchasing committee will be divided into four branches. First is the regular purchases division, which will obtain information on purchasing standard items, such as canned goods, meats, and other groceries. The special purchases division will provide information on the purchase of seasonal goods or house supplies, such as furniture or paint or other work-week necessities. The specifications division will check on the quality of goods and services given by various distributors, and the secretarial division will send all these findings to the participating houses.

Next term the remainder of the houses wishing to participate will be interviewed, and trial plans will be inaugurated on a few simple items, such as canned goods, where there is no great quality control or storage problem.

## Five MIT Delegates to Attend Model UN Assembly

The meeting will take place at the University of Montreal during midterm vacation, February 4-7.

MIT delegates will represent Iraq in the General Assembly. At last year's conference, MIT students represented Russia in a meeting of the Security Council.

Jaime de Sola is the chairman of this year's delegation. Others in the

MIT will be represented by five delegates at the second annual model United Nations conference sponsored by colleges in the Montreal, Quebec, group are Gerald Stephenson '59, George Henry '59, Mumtaz AIDastarti '61, an Iraqi student, and Klaus Berkner '59.

Funds for those representing MIT are being provided by the undergraduate association.

Colleges sponsoring the model U.N. are McGill University, where the assembly was held last year, the University of Montreal, Sir George Williams College, and Loyola College.

At last year's meeting there was only a mock Security Council. This year an expansion has taken place and models of the General Assembly and International Court of Justice will be held.

Twenty-five American colleges and universities are participating, and every college in Canada has been invited to attend. Over three hundred students are expected to be on hand.

Also to be present at the assembly, which will be nationally broadcast and televised, is the former Prime Minister and present opposition leader of the Canadian legislature, Lester Pearson. John E. Read, former member of the International Court of Justice will also be a featured guest.

Unusual this year is the fact that some foreign students from colleges in their own countries, such as Holland and Poland, will be present at the meeting representing other countries.

Topics to be discussed include the Berlin crisis, the Arab-Israeli dispute, and removing foreign troops from Southeast Asia.

The MIT delegation has been in close contact with Professors Norman Paddelford, de Sola Pool, Daniel Lerner, and Lincoln P. Bloomfield for information on how to best represent Iraq in the assembly.

Anyone interested in attending the conference as an observer is urged to get in touch with Jaime de Sola before this Wednesday night. Registration fee will be fifteen dollars for such observers.

**PUBLICATION ANNOUNCEMENT**  
This is the last issue of THE TECH for this term and the final number of Volume 78. The next issue will appear on Friday, February 13.

## St. George Defeated By Frosh Aquamne

The Freshman swimming team defeated St. George Academy for their fourth victory of the season by a tally of 50 to 36. The meet was held at the Academy last Saturday.

Outstanding performances were turned in by Cooke in 40 yard free style and by Heinmuller and Stein in the 200 yard freestyle. Bailes placed well in the diving while Hoffman, Omura, Cooke, and Heinmuller won the 200 yard relay. In the 100 yard backstroke Engeler staged a sparkling come-back from behind to capture second place while teammate Hoffman took first.

The results were as follows: Cooke won the 40 yard freestyle in 19.2 ahead of Bouker and DuPont both from St. George. The 100 yard butterfly was taken by Sheronas of St. George with Techmen McPherson and Henrickson taking second and third. Heinmuller's time in the 200 yard freestyle was 2:31.1. Teammate Stein and Mithofer of St. George followed. Hoffman in 1:09.5 and Engeler led St. George's Thorpe in the 100 yard backstroke. St. George placed first and second in the 100 yard freestyle with Briggs and Bouker. Winning time was 54.5. Mann of MIT placed third. Omura placed first in the 100 yard breaststroke with 1:11.4. Teammate Wyatt placed second and Draper of St. George came in third. Bailes took the diving with 59.51 points. Sheronas placed second. The 120 individual medley saw Briggs take first in 1:19.5 and Stein and Engeler follow. Hoffman, Omura, Cooke and Heinmuller won the 160 yard medley relay in 1:30.7. Swimming for St. George were Sheronas, Draper, Thorp and DuPont. St. George team of Benjamin, DuPont, Soverel and Taylor took the 160 yard freestyle relay in 1:23.0. Mann, Muntz, Mayer and Sparks placed second for MIT. The MIT team has a 4-1 record and has broken three records.

## TCA Offering Four Classes Next Term In Typing Program

A typing course to run eleven weeks during the second term was recently announced by its sponsor, TCA. Four sections are planned, with each class meeting once a week for a two hour evening session. The course will run from the middle of February to May 8.

Instruction will be provided by three MIT secretaries. Tuition for the course and including a textbook is \$4.00. Classes will be limited to no more than 18 students.

The course was planned in response to a general cry for a typing course. Applications and further information may be obtained at the TCA office in Walker or by calling extension 885.

## Freshman Dances

### Frosh Plan Dance At Sheraton Plaza

The Freshman Class is planning to sponsor a dance at the Sheraton Plaza Hotel on Saturday, March 21 at the nominal price of about \$1.50. The function is planned to run from 8 to 12 p.m. in a two room arrangement.

Several local bands have been contacted but no contract has been signed yet. About 200 couples are expected to attend the semi-formal dance. An arrangement has been made with a local florist for flowers at a reduced cost, but this deal is an optional expenditure beyond the cost of the ticket. The Freshman Class hopes the dance will be financially successful but has \$350 which Q-Club turned over as excess profits from the Freshman Picnic as a reserve. Larry Pitts '62, Freshman Class President, says that they're offering "a real good dance at a low price."

### New Year's Dance Given In New York

The New Year's Eve Party for MIT men held in New York City attracted almost sixty couples and was quite successful, considering the late date the party was originally planned. Incomm had to make up a small deficit out of a good will fund set up for such purposes.

The party was conceived by the Freshman Council which asked help from the MIT Club of New York. The Club contacted the Institute, and thereby got Incomm to participate in the program. Only two couples paid for the party before the vacation began, but Jack Blum '62 drummed up enough interest to make the party fairly successful. The function was described by all couples attending as a very good party.

Chuck Staples of the Finance Committee maintains that if more time had been available for planning, the affair would have also been financially successful. A party may be planned next year again if enough interest is shown.

**CO-ED PHONES**  
The MIT Coeds, feeling far removed from MIT life, have decided to span the chasm with wires, namely two Institute extension lines. The numbers have been changed from the listings in the new telephone directory to two numbers all Coeds hope will become as well-known as 3.1416 . . . and 2.7023 . . . namely 3156 and 3157.

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## reviews

### Ella and All That Jazz

At quarter to nine last Friday evening Ella Fitzgerald bounced merrily onto the stage of Kresge Auditorium and delivered a snappy and flawless *I've Got My Love to Keep Me Warm*. For two-thirds of her first set, composed of material from her "Song Books" (music by Irving Berlin, Rodgers and Hart, Cole Porter, and Duke Ellington), Miss Fitzgerald was seated on a wooden stool which appeared to have been transferred recently from an upper floor of building three. This powerful symbol of defeats in quizzes and frustrations in drafting courses failed to detract from Ella's fine performance of fifteen show tunes and jazz standards sung in an impressive display of vocal gymnastics and rhythmic versatility. Outstanding were the Rodgers and Hart ballads—*Little Girl Blue*, *My Funny Valentine*, *Bewitched*, *Bothered*, and *Bewildered*—and the up tempo *Mountain Greenery* and *Lady is a Tramp* (. . . *When Sinatra sings I whistle and stamp, That's why the lady is a tramp*); the intelligent and witty lyrics of Cole Porter (. . . *As Columbus announced When he knew he was bounced: It was swell, Isabel, swell . . . verse of Just One of Those Things*); and the climax of the set, Duke Ellington's wonderfully fragile and sensitive *Sophisticated Lady* (a composition which only a handful of singers can do justice to), and his ripping *Perdido*, which included a scat (no words) vocal in tribute to a famous recorded solo by tenor saxophonist Flip Phillips. The first set concluded with a humorous, Latin-American based *A Tisket, A Tasket*.

An hour and a half before the concert, Miss Fitzgerald had been interviewed by several members of the MIT press and the Harvard radio station WHRB. The conversation cleared up the unintentionally inaccurate press releases of the Baton Society: (1) Ella is working with a quartet, not a trio; (2) She will be in Boston at Storyville for one week beginning January the twenty-sixth; (3) She was not born in Ireland (luckily the Baton Society was never too sure

about that one, and never released the item). Whoever permitted the Harvards to take part in the interview made a glorious mistake; they taped the interview and cleverly managed to dominate the proceedings with a microphone. Unfortunately their questions were of the senseless, apt to be asked on the afternoon teenage disc-jockey show type: *Don't you think Buddy Bregmar is a great, I mean a really great, an outstanding arranger? Who's your favorite singer? Will you autograph my album jackets? How do you explain your different vocal styles?*—and Ella found them amusing and confusing. Ella was slightly tense at the outset, but she soon warmed up to the interview and was relaxed and in good humor. She is an embarrassingly honest and direct person; her foremost goal in life is to sing for people. She joked freely with us and volunteered much information about her forthcoming recordings and personal appearances. Actually, Ella sings in one style—the Ella Fitzgerald style. In both the "Song Book" and the jazz arrangements her voice has a sparkling liquid quality bordered with a tantalizing rough edge; all her singing is jazz-rooted, and a rhythmic pulsation underlies everything except, naturally, the out-of-tempos and the codas. Perhaps Ella summed up the confusion best when she said: "I'll have to go to school too; to music school." Ella enjoyed the interview as much as we did.

The accompaniment throughout the concert was first-rate; pianist Lou Levy was tender and sympathetic on the slow and out-of-tempo ballads and verses; guitarist Herb Ellis was appropriately raucous and stinging on the up-tempo numbers as he seemed to be pinching and prodding Ella on. The second set began with three instrumental charts by the quartet. On the opener, *Makin' Whoopee*, both Levy and Ellis lagged lazily behind the medium-tempo beat with Herb soloing in his best brittle, biting manner; a ballad was calm and unhurried, a showpiece for Lou's sometimes slow, sometimes rushing-as-if-to-catch-up style; the last, initially a series of up-tempo riffs, featured sharp, brisk solos all around, and a series of fleet four bar exchanges which led to a long uneven stuttering drum solo which was unswinging and unconnected but successful because of Gus Johnson's mighty enthusiasm. Ella reappeared for a dozen selections. Matt Dennis' *Angel Eyes*, with its brilliant coda and tender lyricism was exquisite; *Blues in the Night* and *Roll 'Em Pete* were brassy and beautiful with Herb Ellis' pungent guitar and Wilfred Middlebrooks' thumping bass leading the way. The only bad moment in the concert, in this writer's eye, was *I Can't Give You Anything But Love, Baby*, in which Ella imitated Rose Murphy and Louis (Satchmo) Armstrong and proved that she is a better singer than imitator. Ella's most outstanding selection came about as a result of the bright spotlight which glared down on her during the "up" tunes; she inserted *Porgy, I Is Your Woman Now*, a slow number, to replace an "up" tune in order to dim the lights. With only Lou Levy accompanying, it was given a delicate and moving reading; it alone was worth the price of admission. Ella encored with *How High the Moon*, proof positive that she is once and for all a jazz singer.

As someone once said: "Ella will rule as long as she can open her mouth." Amen!

—Myer Kutz '59

## I Musici

I Musici, who appeared in Kresge Auditorium last Thursday evening under the auspices of the Humanities Series, gave an enjoyable concert and demonstrated their versatility in a program including three Vivaldi concerti, modern pieces, and Mozart's *Divertimento* in D (K. 136).

The Vivaldi concerti constituted the first half of the program, and performance of these works was of almost uniform excellence. Warmth of interpretation, coupled with precision of technique satisfied the expectations of all who are familiar with and love the works of this composer. Particularly notable were the soloists in the B flat *Concerto* and the A minor *Concerto Grosso*.

After intermission, I Musici presented two modern works, both by composers previously unknown to me. The first, a short suite by Remy Principi, contains a somewhat demanding violin solo, executed competently but rather thinly in places by Luciano Vicari. The second piece, *Sonar per Musici* by Enzo Porrino, was (unfortunately) longer. Based on obvious tonal and registration contrasts among piano, violin, viola, cello, and bass, this work was unified partly by a lack of forceful cadences and partly by strong rhythmic themes of the sort which anyone might produce when picking up a pair of bongo drums for the first time. Both works impressed me as unworthy of the group's repertory.

The meaninglessness of the Porrino doubled my eagerness to hear the Mozart *Divertimento*, the last number on the program. Unfortunately, the performance was somewhat disappointing: the Allegro was well done, but the Andante was a bit too metronomic and lacking in sentiment; and surely I Musici are capable of a wider range of dynamics and greater measure-to-measure contrasts than were displayed in the Presto.

All in all, the Vivaldi numbers plus the encore (*Finale* by Benjamin Britten) served to confirm I Musici's distinguished reputation. Although I still classify them a shade below the Virtuosi di Roma, especially in the realm of sheer tonal brilliance, the appearances of I Musici merit the continued attention of the most discriminating listener.

Kenneth O. Miller

## Bell, Book, and Candle

An amateur drama workshop is essentially a place where you learn to make mistakes, and for amateurs this is the best way. Unfortunately some professionals forget about their past mistakes and keep reproducing them in large scale. One of the ways to do so is by contracting big names in the business to take a fairly popular book or play and making half of the expenses in publicity. However, with or without Kim Novak's picture on the cover of LIFE with or without the magnificent work presented earlier by Jack Lemmon, with or without the reputation of Ernie Kovacs, "Bell, Book and Candle", with these three and some more, is a terribly boring picture. Some witches live in New York and have strange powers to obtain what they want. Kim Novak is one of them, and probably this is the only way I can understand how she ever got a job in Hollywood. In the same building she lives is also Elsa Lancaster, her aunt and witch, and James Stewart, publisher in the picture and Benny Goodman in all of them. Boy meets girl, and with the help of a cat (the best performance Kim casts a spell on James. James doesn't like it and asks the help of Jack, another of them witches. Ernie is brought to New York by a spell, too. He is the author of a book on black magic (who would ever guess?) and complications arise, as the director doesn't know how to end the whole thing (it seems he forgot to read the script). So James is not going to marry Kim because Jack is collaborating with Ernie while Elsa can't do a thing to help Kim who is in love with James who doesn't believe Ernie, who asks Jack to help while Elsa stops Kim from ruining James . . . The movie drags and drags, and it is amazing to see the opportunities the director neglects without a touch of magic. Not a single trick is done, besides one scene, where Jack Lemmon puts off the street lights. A non-imaginative director spoiling the great talents of Jack Lemmon, Ernie Kovacs, Elsa Lancaster, Hermione Gingold (or something rather), worrying about making James Stewart forget that this is not the "Glen Miller Story" anymore. As for Kim Novak, I'd rather have the cat in a full length picture than this girl in one scene. She must suffer from insomnia and so do I, or I would have slept right away. The picture is accompanied by a short on Puerto Rico. It is a good thing it is a short. Certainly a very unfortunate night, not to be repeated by anyone.

Jean Pierre Frankenhuis '60

## Help, help!

Nearly every student at the Institute feels, at one time or another, that there is a lack of facilities for literary creativity at MIT. One of the latest attempts to improve the situation is in the form of a literary review, *Arabesque*. It was not the first literary magazine to be published at MIT, but the other collapsed, generally for one reason: lack of material. *Arabesque* is having the same problem. It was published once in April of 1958, but has not received enough material to put out a second issue. TEN has offered to finance *Arabesque* until it gets a good start, but otherwise the two are independent. The original response was quite favorable: the 650 copies printed were sold out. The New York City Public Library has already subscribed, as well as the MIT Humanities Library. Only one problem remains to overcome—material. *Arabesque* will publish again just as soon as it has enough to print.

This is, of course, where help is needed. Everyone in the MIT community is urged and almost begged to send in anything they may have written or will write for consideration, poetry or prose. If you feel really energetic, be warned that the staff of *Arabesque* would like you to remain within 4000 words. Anyone at the Institute, from students on up, is welcome to submit. The address is:

Arabesque  
Baker House  
MIT

—Stoddard Brown



TO THE LAST DROP



# KOOL KROSSWORD

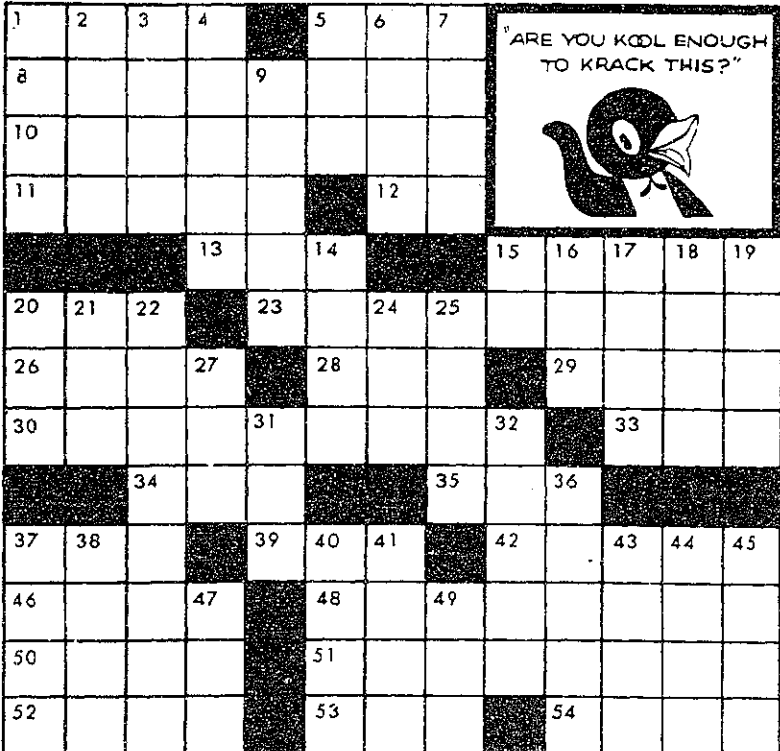
No. 13

## ACROSS

- Greek god
- Fraternal follower of Chi
- Not the same as reshopped
- Woman-hater's affliction
- Nell's on the hook
- Trade Last (abbr.)
- Slippery customer
- Willie says, "Kool"
- Big tree of Big 3
- See how wonderfully Kools are
- A he and a she
- By way of
- Tea makes Sue fat
- Kool—America's most refreshing
- Price of a f to f
- Willie's milieu
- Kind of ling
- She specializes in defense
- Phooey
- Pronouncements from the docti
- Test in chemistry
- So your gal's done you wrong
- What becomes of a fraulein
- Caviar containers
- It starts tenderly
- Lachrymose ending
- An old, old story
- Oh, to be Latin
- Girly garment sounds dishonest
- Curious way to get loose from a clinch
- Enraptured
- Love story doesn't sound like work
- Used the eye approach
- It's evil to do it backward
- How sex begins
- What gal BA's go on to become
- French egg
- On which Dad asked Mom
- Rockette without rock
- And so on
- Oahu-type necking
- Guy who makes time with a gal you can't
- This is to be tied
- A Waller
- Any guy whose name you don't know
- Southern fellow
- This is soft when down
- This hooey is off the bottom
- How their scents travel
- A little ground
- Kind of ran
- Switch from to Kools
- She's mostly décor
- Stepped on
- Girl from Annapolis
- He's nothing on a date
- Pre—

## DOWN

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- Pull up a pony
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## The Distaff Side

# Dames Extend Welcome To 1300 Students' Wives

Last year, the annual Karl Taylor Compton award of one thousand dollars was presented to a certain society at MIT. "... in recognition of the warmheartedness, understanding, ingenuity, and devotion that they have brought to their program of helping wives of students, especially those from overseas, to become part of the Institute committee." This society is the Technology Dames, more popularly known as the MIT Dames. The dedication of the award was well chosen for it was with this purpose in mind that the Technology Dames was founded thirty-five years ago.

The beginning came in 1923 with the work of Mrs. James R. Jack, whose husband was then head of the Naval Architecture and Marine Engineering department. She had occasion to visit with the wife of an undergraduate student one day, and soon found out that this wife had spoken with no one but her husband for the three months that they had been living in Cambridge. Interested, Mrs. Jack contacted other students' wives and found their situation much the same. Soon after, Mrs. Jack organized a meeting of about forty married girls at a tea given by Mrs. Edward Cunningham. It was at this meeting that the girls decided to form a society. The president of the Harvard Wives was called in a week later at another meeting to show how their organization worked. Following her explanation, offices were passed around to the women present and the organization was officially founded.

As with most new societies, the Dames had growing pains the first few years. At the end of their second year, the Dames found they could not elect officers for the following year; almost the entire membership of sixty wives left Boston with their husbands after graduation. The remaining members were forced to wait until new members could join the next year. Today the Dames have a total membership of three hundred undergraduate and graduate students' wives and are still growing rapidly.

Close friendships formed rapidly in the Dames. It was not uncommon during the Depression years for several wives to help one another when there were bills to be paid or groceries to be bought. They also got together and toured large grocery stores whenever possible for a bag of groceries was usually presented them at the end of the tour. Today the Dames as a whole often help out members in difficult situations. Recently a Westgate fire destroyed a great deal of clothes belonging to a young graduate couple. The clothes were entirely replaced by the Dames. Once, when a Dame and her children were about to return to their home in Australia from New York, her youngest child developed measles. She was therefore forced to remain in New York but had no money because she had spent it all on her tickets. The Dames in Boston then wired her enough money to tide her over until she could cash in her tickets.

Originally limited to wives of undergraduate students, the Dames revised entrance requirements in 1935 to allow wives of research assistants and part-time staff members. The wives of staff members have their own organization called the MIT Matrons, seven members of which act as the MIT Dames Advisory Board. The Dames are also organized on the Board system. The presidency is held by Mrs. George G. Heller, and the first and second vice-presidencies by Mrs. Albert G. Stirling and Mrs. James Robinson respectively. Other offices include Recording Secretary, Corresponding Secretary, Treasurer, Newsletter, Refreshments, Hospitality, Service, Publicity, Interest Chairman, and Membership chairman. The board meets twice monthly; one meeting is open to husbands and the other to Harvard wives.

As a service organization the Dames have been very effective in helping the MIT community. During the Christmas season they have helped the Matrons and the Institute Committee decorate the Institute. During last year's flu epidemic Dames worked in the infirmary. They also helped out on the T.C.A. Red Cross Blood drive that Spring. Another one of the many projects undertaken at Christmas is the making and contributing of dolls to underprivileged children in the Boston area. From a fashion show held in the Fall proceeds are sent to various charities. Last year two hundred dollars was sent to the Heart Fund.

The social activities of the Dames are many and varied. This year started out with neighborhood coffees for which 500 new wives in the Boston area were contacted. Following this a get-acquainted meeting was held at Kresge. Here, both old and new members expressed their preference for committee and project work. The day ended at Walker Memorial with an evening of bridge and socializing. Later in the fall, a coffee was given in the Faculty Club for wives of foreign students. Also held in the Faculty Club last year was Monte Carlo night, a casino party which was a big success. During Christmas there is a dance held at the Faculty Club, an Open House at Dean Fassett's home, and a children's Christmas party held for the Dames' children. Later in the year a fascinating program is presented by the foreign students' wives. They entertain with refreshments, stories, costumes and explanations of their respective countries. Last year twenty-three different countries were represented. The final program of the year is the graduation dinner. Each wife of a graduating student is given a "degree" for the help and encouragement she has given her husband during the academic year.

As an added service at the beginning of the year, the Hospitality committee sends welcoming letters to all entering wives. Also the Dames Newsletter is sent to all 1300 wives of students at the Institute. The rest of the year is filled out with formal and informal dances and the usual activities of the Dames.

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## New RPI Graduate To Attack Problems Of Our Environment

Beginning this year the Rensselaer Polytechnic Institute offers a full program in environmental engineering. The first college in the world to award the Bachelor of Environmental Engineering, RPI has a four-year undergraduate curriculum as well as a series of graduate courses leading to advanced degrees in this new program.

The field has been developed to meet new environmental problems resulting from our spiraling population and unprecedented industrial expansion and urbanization. There are new problems of water conservation, food supply, air pollution control, and those associated with the nuclear industry. "Each year the requests for graduates for service in some phase of environmental control far exceeds the supply," a committee report points out. In 1949, a vocational monograph listed 40 occupations or job titles in the field.

## Civil Dept. Reports On Route 128

"Why in the world did they build such a beautiful highway through the wilderness?" asked a man making a test run on the new Route 128 a few days before it opened in 1951. This question is answered by one of the greatest industrial booms in Massachusetts history.

A study conducted by MIT's Department of Civil and Sanitary Engineering reports that by the end of this year nearly 30,000 people will be employed on Route 128 in industrial plants representing a total investment of approximately \$140,000,000.

Some of the major findings of the study directed by Associate Professor A. J. Bone include:

—Ninety-six per cent of all companies that have re-located on 128 came from within four and one-half miles of the center of Boston.

—During 1957 38 per cent of all development construction in the Boston area was along 128.

—Approximately 18 per cent of all employees at Route 128 industries have changed residence since starting

to work at highway sites. Although Route 128 industry employees have moved varying distances, (some have moved farther away from work) the average distance to work remains about the same. Surprisingly, the migration of employees into the town in which they work has been quite small. In many towns almost as many move out as into the town.

—Every day 40,000 to 50,000 cars use Route 128. During peak traffic, about one car in three is carrying employees to or from their jobs.

Major factors that originally attracted industry to the still growing Route 128 include: Need of land for expansion accessibility for commercial purposes; attractive sites; and adequate parking facilities. Minor drawbacks include the problem of retaining women employees on a part-time basis, lack of eating and shopping places and barbershops for a quick haircut for men employees during the lunch hour. New shopping centers and restaurants being planned along the highway are expected to solve these problems.

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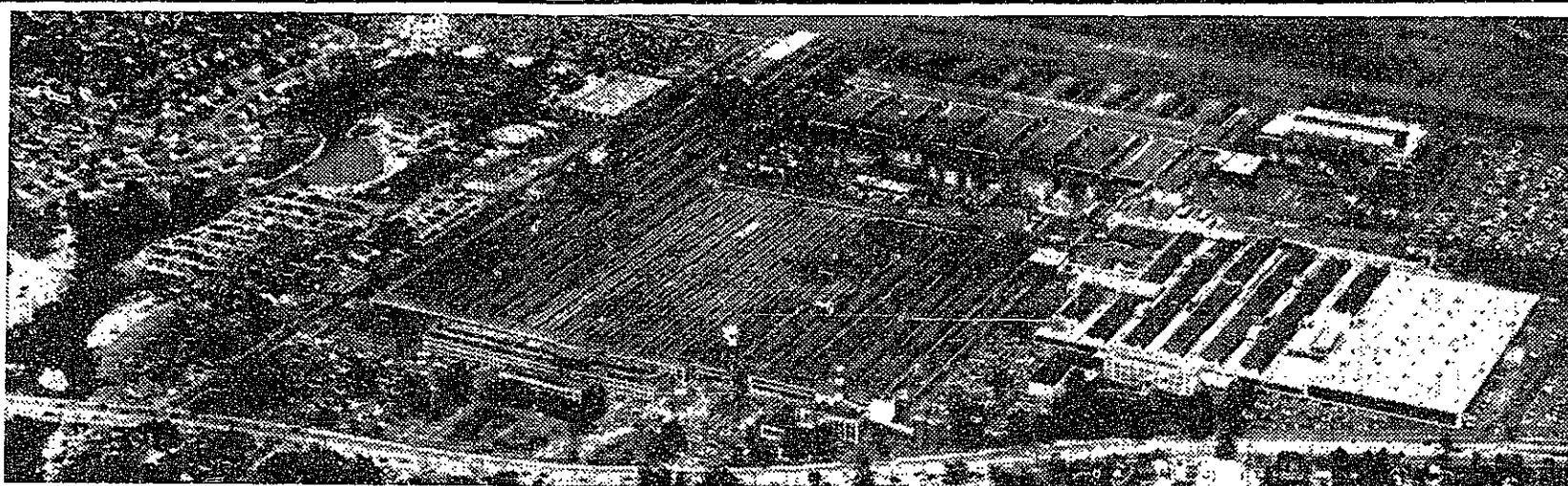
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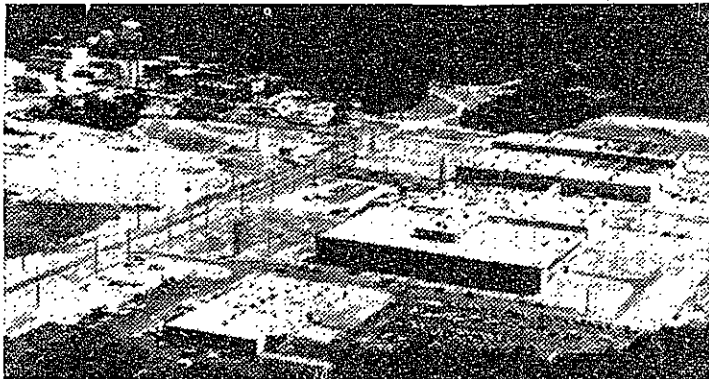
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The Connecticut Aircraft Nuclear Engine Laboratory, operated by Pratt & Whitney Aircraft, is situated on a 1,200-acre tract near Middletown. The Laboratory was specially built for the development of nuclear flight propulsion systems.



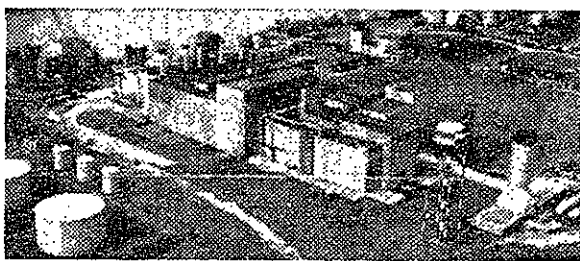
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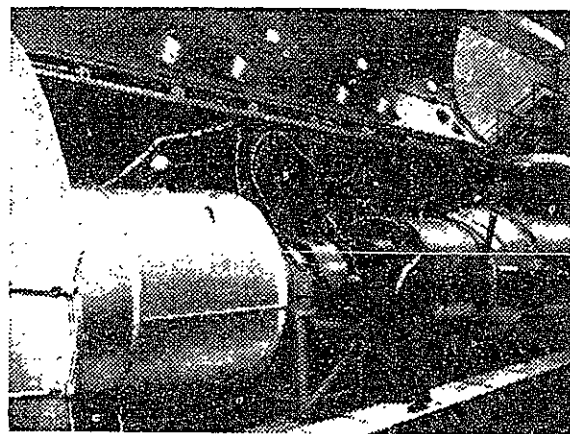
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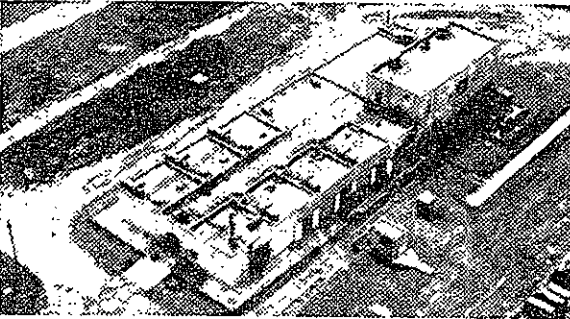
For further information regarding an engineering career at Pratt & Whitney Aircraft, consult your college placement officer or write to Mr. R. P. Azinger, Engineering Department, Pratt & Whitney Aircraft, East Hartford 8, Connecticut.



The Willgoos Turbine Engine Test Facility is the world's most extensive privately owned turbine development laboratory. Designed and built specifically to test full-scale experimental engines and components in environments simulating conditions at extreme altitudes and speeds, it is currently undergoing expansions that will greatly increase its capacity for development testing of the most advanced forms of air breathing systems.



In chambers like this at the Willgoos Turbine Engine Test Facility full-scale engines may be tested in environments which simulate conditions from sea level to 100,000 feet. Mach 3 conditions can also be simulated here.



In the new Fuel Systems Laboratory engineers can minutely analyze the effects of extreme environmental conditions on components of fuel systems — conditions such as those encountered in advanced types of flight vehicles operating at high Mach numbers and high altitudes. Fuel for these tests can be supplied at any temperature from -65°F to +500°F.

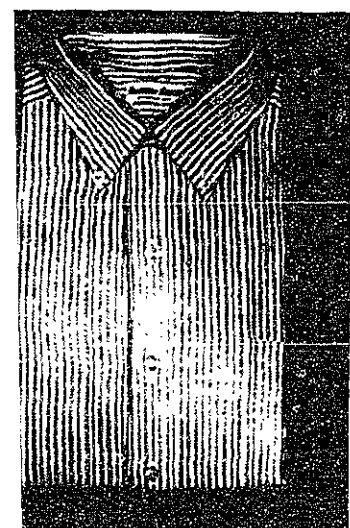


Tech Chapter of the DeMolay hold an election meeting this Wednesday at 7:00 p.m. in Hay Library Lounge.

MGA ROADSTER: Excellent shape, 21,000 miles. Call John Brosens, 5306, evenings.

I.I.T. Science Fiction Society presents film "The Day the Earth Stood Still" Tuesday, Jan. 21, in Room 10-250 at 8 P.M. Added attraction: 2 "Road" cartoons. Admission is 25c.

## SALE



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## Squash Team Takes Road

### Bow To Princeton 0-9, Navy 2-7 Freshmen Absorb Overtime Loss

This week-end the Tech Squash men lost two contests, one Friday night at Princeton 0-9 and the other Saturday afternoon at Navy 2-7.

In the Princeton matches in Dillon Gym, the Engineers suffered a 9-0 trouncing. The closest match was between Captain Colin Clive '60 and the Tigers number three man. The match was tied at two games apiece and thirteen to thirteen in the fifth, however, Colin bowed in the final moments losing the match 2-3. Tech's number eight and nine men, John Beckett '60 and John Priest '60 took

one game apiece to drop their matches 1-3. The rest suffered 0-3 defeats.

The next afternoon the Cardinal and Gray suffered another defeat, this time at the hands of Navy in the Navy Field House. Tech's first two men Farid Saad '61 and Raul Karman '61 took 3-2 decisions over Navy's top men. Jack Klapper '61 won the first two games in his match, but finally lost 2-3 to a senior on the Blue's team who has never lost a match in his four years of play. The rest of the team suffered 0-3 losses.

It is interesting to note that Tech's first few men did such a good job against the team that just beat Yale, last year's National Champions.

## Engineer Cagers Bow To Army;

### Bow To Princeton 0-9, Navy 2-7 Freshmen Absorb Overtime Loss

Army's height advantage proved to be the difference Saturday night as the West Pointers grabbed an 87-71 win over the Beaver varsity basketball squad at Rockwell Cage. It was the fourth straight loss for the Engineers and their fifth of the year against two victories.

Right guard Hugh Morrow '60 was the high scorer for the Cardinal and Grey with 27 points for the second game in a row. Captain Bob Polutcho '59 counted 12 points for the losers.

The home club lost an early lead in the first half and was never close after that. Several times the margin was cut to ten points but each time Army offense opened up and the gap was widened. At the half, the count was 52-38.

Army scored most of its points on easy layups as their tall men took passes from the outside and slipped by the MIT defenders. The majority of the Beaver scoring came on jump shots from the outside.

Also scoring for MIT were Leroy Cooper '59 with nine points, Al Gaston '61 with seven and Dennis McGinty '59 with five points. Phil Robinson '61 contributed four points, Harry Elliott '61 tallied three and John Crissman '61 and Brian White '61 each counted a basket for the Engineers. Right forward Sager scored 32 points for the winners.

The next test for the varsity will be Wednesday night when New Hampshire will invade the Cage at 8:15 p.m.

#### Frosh Bow in Overtime

Trailing in the second half by as much as 12 points, the Beaver freshman cagers rallied to tie the score at the end of regulation play but lost a heartbreaker to Exeter Academy in an overtime, 83-82 Saturday at Rockwell Cage.

Dave Koch dropped in over 30 points for MIT with most of them coming in the torrid second half. Chuck Gamble netted 14 for the home club.

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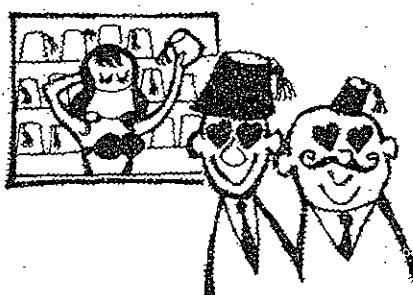
IN *The Milkmaid*



Michael REDGRAVE • Ann TODD  
CO. HIT *Time without Pity*

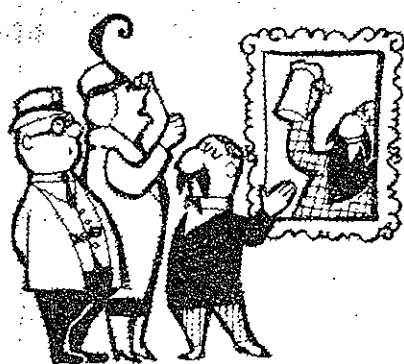
English: **INEBRIATED RELATIVE**

English: **TURKISH CHECKROOM**



Thinklish: **FEZIDENCE**

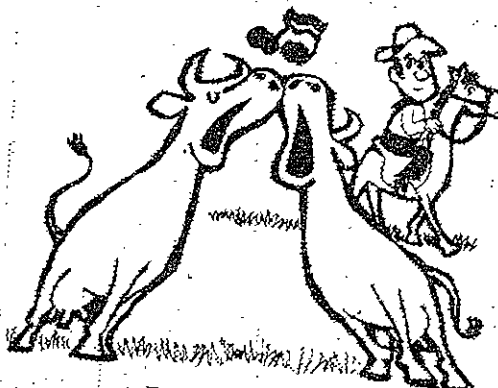
PATRICIA MCELROY CORNELL



Thinklish: **DRUNCLE**

CARL RASE, ARIZONA STATE COLL.

English: **BOVINE MELODY**



Thinklish: **MOOSIC**

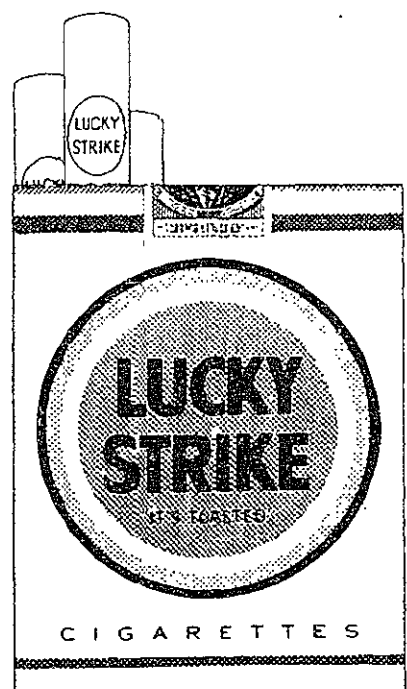
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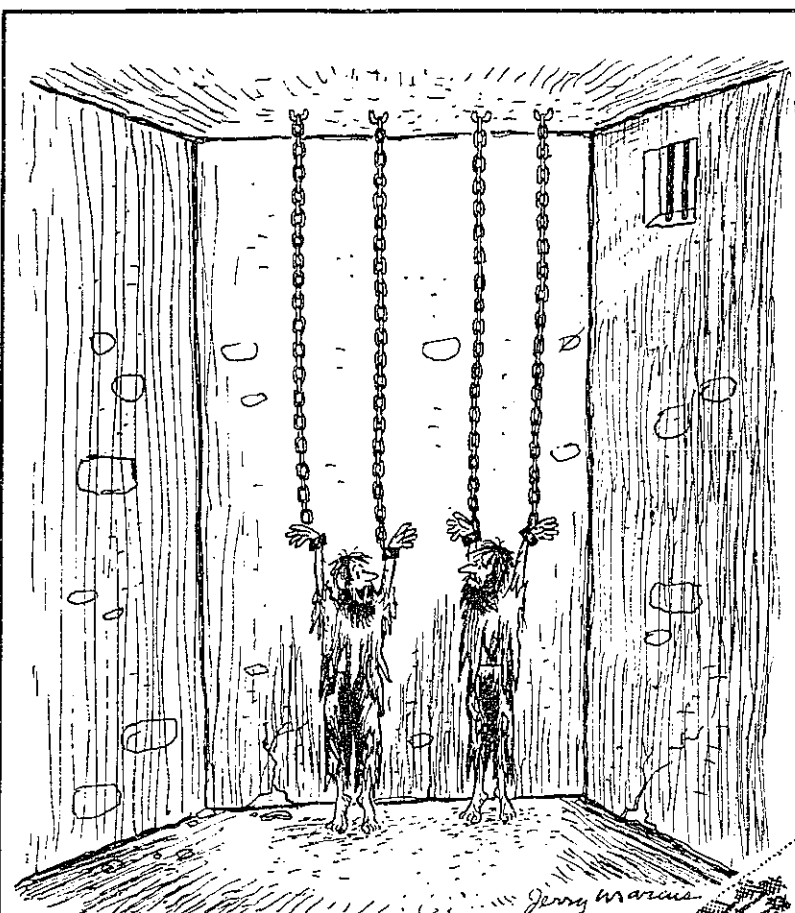
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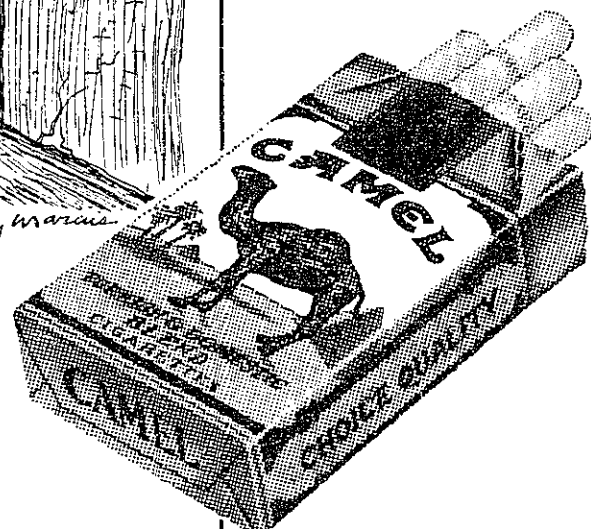


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"Why I can't find the cases of Schaefer beer buried on my land puzzles me," By By Warren said. He stopped digging to caution his sons. "You two boys put down them shotguns. There's been killings enough in this hole today—seven, if you was to count sharecroppers."

By By saw Grimalda pistol-whipping his oldest son Burke in the kitchen, which had toppled into the crater a week ago. "I can't help it, Pa," she sobbed. "Every time I open a cold can of Schaefer he's there staring like he could see right through the can. Like he was able to taste every gold drop." By By watched openly as she pulled her raccoon coat even tighter.

"Grimalda, glad as I am Schaefer is your kind of beer, he's got a right. He's your husband."

"He is?" Grimalda regarded Burke with new interest.

Jupiter Squint crawled out of a trash pile by the stove. "I thought I might find your daughter Sweetie Jill in there," he blushed, "and that's the truth." Machine-gun fire and teasing laughter came from another part of the digging.

"Reckon she's off there somewhere," Grimalda said.

"What you folks need to locate your beer is a rhino," Jupiter said. "One of those big-horned Africa creatures would dig up your Schaefer easy as pie." By By sighed.

"Jupiter, I ain't never held with having no mean old rhino about this place, but I don't know. I want my Schaefer bad. You know expert fellows call it round because of its smooth flavor?"

"You need a rhino, By By, and that's the truth."

After everybody had gone to find the rhino, By By picked up his shovel. He knew the rhino meant blood on his land, but he had to get the Schaefer. He bent over his shovel, ignoring the din of yowling tomcats and hand grenades and giggling women up on top of the ground, wondering how soon he'd have the rhino to help him dig.



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